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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- (Original) A method for executing a dynamically loaded program, said program including a 1. main program unit, said method comprising:
 - executing said main program unit a first time;
 - creating at least one library file containing only application program files loaded during said first execution of said main program unit;
 - specifying a system program file input; and
 - executing said main program unit a second time using said system program file input and said at least one library file for dynamically loaded program files.
- (Original) The method of claim I wherein said creating further comprises: specifying a first at least one pathname for system program files;

specifying a second at least one pathname for application program files;

least one pathname for dynamically loaded program files; and

- executing said main program unit using said first at least one pathname and said second at
- storing each application program file loaded during execution of said main program unit to
 - said library file.
- (Original) The method of claim 2 wherein said storing further comprises:
 - loading a program file when referenced during execution of said main program unit;

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> storing said program file to said library file when said program file is an application program file; and

determining whether execution of said main program unit has terminated.

- (Original) The method of claim 3 wherein said library file further comprises a compressed file.
- (Previously Presented) The method of claim 1 wherein said program files comprise class files and archive files.
- (Previously Presented) The method of claim 5 wherein said system program file input comprises a collection of services and libraries included in an execution environment.
- (Previously Presented) The method of claim 6 wherein said library file comprises an archive file.
- 8. (Withdrawn) A method for optimizing a dynamically loaded program, said program including a main program unit, said method comprising: creating at least one library file containing only application program files loaded during execution of said main program unit; and

optimizing said program based upon a list of application program files in said library file.

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- 9. (Withdrawn) The method of claim 8 wherein said creating further comprises: specifying a first at least one pathname for system program files; specifying a second at least one pathname for application program files; executing said main program unit using said first at least one pathname and said second at least one pathname for dynamically loaded program files; and storing each application program file loaded during execution of said main program unit to said library file.
- 10. (Withdrawn) The method of claim 9 wherein said storing further comprises: loading a program file when referenced during execution of said main program unit; storing said program file to said library file when said program file is an application program file; and determining whether execution of said main program unit has terminated.
- (Withdrawn) The method of claim 10 wherein said library file further comprises a compressed file.
- (Withdrawn) The method of claim 8 wherein said program files comprise Java™ class files and Java™ archive files.
- (Withdrawn) The method of claim 12 wherein said system program file input comprises the Java™ Development Kit.

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- 14. (Withdrawn) The method of claim 13 wherein said library file comprises a Java™ archive file.
- 15. (Withdrawn) The method of claim 13 wherein said optimizing further comprises: receiving an application program pathname of a referenced program unit in said library file; determining a referencing program unit when said pathname is unexpected, said referencing program unit referencing said referenced program unit; and modifying said referencing program unit to remove any reference to said referenced unit.
- 16. (Withdrawn) A method for testing a dynamically loaded program, said program including a main program unit, said method comprising: specifying a list including at least one application program file to be tested; creating at least one library file containing only application program files loaded during execution of said main program unit; and indicating incomplete test coverage when at least one file in said list is not represented in said library file.
- 17. (Withdrawn) The method of claim 16 wherein said creating further comprises: specifying a first at least one pathname for system program files; specifying a second at least one pathname for application program files; executing said main program unit using said first at least one pathname and said second at least one pathname for dynamically loaded program files; and

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storing each application program file loaded during execution of said main program unit to said library file.

- 18. (Withdrawn) The method of claim 17 wherein said storing further comprises: loading a program file when referenced during execution of said main program unit; storing said program file to said library file when said program file is an application program file; and determining whether execution of said main program unit has terminated.
- 19. (Withdrawn) The method of claim 18 wherein said library file further comprises a compressed file.
- 20. (Withdrawn) The method of claim 16 wherein said program files comprise Java™ class files and Java™ archive files.
- 21. (Withdrawn) The method of claim 20 wherein said system program file input comprises the Java™ Development Kit.
- 22. (Withdrawn) The method of claim 21 wherein said library file comprises a Java™ archive file.
- 23. (Original) An apparatus for executing a dynamically loaded program, said program including a main program unit, said apparatus comprising:

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means for executing said main program unit a first time;

means for creating at least one library file containing only application program files loaded during said first execution of said main program unit;

means for specifying a system program file input; and

means for executing said main program unit a second time using said system program file input and said at least one library file for dynamically loaded program files.

- 24. (Withdrawn) An apparatus for optimizing a dynamically loaded program, said program including a main program unit, said apparatus comprising:
 - means for creating at least one library file containing only application program files loaded during execution of said main program unit; and
 - means for optimizing said program based upon a list of application program files in said library file.
- 25. (Withdrawn) An apparatus for testing a dynamically loaded program, said program including a main program unit, said apparatus comprising:

means for specifying a list including at least one application program file to be tested;

means for creating at least one library file containing only application program files loaded

during execution of said main program unit; and

means for indicating incomplete test coverage when at least one file in said list is not represented in said library file.

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26. (Original) A program storage device readable by a machine, embodying a program of instructions executable by the machine to perform a method to execute a dynamically loaded program, the method comprising:

executing said main program unit a first time;

creating at least one library file containing only application program files loaded during said first execution of said main program unit;

specifying a system program file input; and

executing said main program unit a second time using said system program file input and said at least one library file for dynamically loaded program files.

- 27. (Original) The program storage device of claim 26 wherein said creating further comprises: specifying a first at least one pathname for system program files; specifying a second at least one pathname for application program files; executing said main program unit using said first at least one pathname and said second at least one pathname for dynamically loaded program files; and storing each application program file loaded during execution of said main program unit to said library file.
- 28. (Original) The program storage device of claim 27 wherein said storing further comprises: loading a program file when referenced during execution of said main program unit; storing said program file to said library file when said program file is an application program file; and determining whether execution of said main program unit has terminated.

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- 29. (Previously Presented) The program storage device of claim 28 wherein said library file further comprises a compressed file.
- 30. (Previously Presented) The program storage device of claim 26 wherein said program files comprise class files and archive files.
- 31. (Previously Presented) The program storage device of claim 30 wherein said system program file input comprises class files and archive files.
- 32. (Previously Presented) The program storage device of claim 31 wherein said library file comprises an archive file.
- 33. (Withdrawn) A program storage device readable by a machine, embodying a program of instructions executable by the machine to perform a method to optimize a dynamically loaded program, the method comprising:

creating at least one library file containing only application program files loaded during execution of said main program unit; and

optimizing said program based upon a list of application program files in said library file.

34. (Withdrawn) A program storage device readable by a machine, embodying a program of instructions executable by the machine to perform a method to test a dynamically loaded program, the method comprising:

specifying a list including at least one application program file to be tested;

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creating at least one library file containing only application program files loaded during execution of said main program unit; and indicating incomplete test coverage when at least one file in said list is not represented in said library file.

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- 35. (Previously Presented) A method for representing a library file, said method including: storing in at least one program unit field the pathname of every application program unit loaded during the execution of a dynamically loaded program, said dynamically loaded program including a main program unit; and storing in a main unit field the pathname of said main program unit.
- 36. (Previously Presented) The method of claim 35 wherein said program unit field and said main unit field are contained within an archive file; and said main unit field comprises a manifest file.
- 37. (Previously Presented) The apparatus of claim 23 wherein said means for creating further comprises:

means for specifying a first at least one pathname for system program files;

means for specifying a second at least one pathname for application program files;

means for executing said main program unit using said first at least one pathname and said

second at least one pathname for dynamically loaded program files; and

means for storing each application program file loaded during execution of said main

program unit to said library file.

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38. (Previously Presented) The apparatus of claim 37 wherein said means for storing further comprises:

means for loading a program file when referenced during execution of said main program unit;

means for storing said program file to said library file when said program file is an application program file; and means for determining whether execution of said main program unit has terminated.

39. (Previously Presented) The apparatus of claim 38 wherein said library file further comprises a compressed file.

- 40. (Previously Presented) The apparatus of claim 23 wherein said program files comprise class files and archive files.
- 41. (Previously Presented) The apparatus of claim 40 wherein said system program file input comprises a collection of services and libraries included in an execution environment.
- 42. (Previously Presented) The apparatus of claim 41 wherein said library file comprises an archive file.